CLAIMS

What is claimed is:

1. A thick film composition comprising:
    a) functional component;
    b) PVDF/HFP polymer resin, a copolymer of PVDF/HFP polymer resin, or mixtures thereof; dissolved in
    c) organic solvent.

    with the provisos that the PVDF/HFP resin has i) a melt viscosity of 0.2-0.7 kPoise and ii) a DSC melt temperature in the range of 85-98°C.

2. The composition of Claim 1 wherein said functional component is selected from silver, carbon, graphite or mixtures thereof.

3. The composition of Claim 1 wherein said functional component is selected from phosphor, phosphor-containing particles, or mixtures thereof.

4. The composition of Claim 1 wherein said functional component is selected from $BaTiO_3$, TiO_2, or mixtures thereof.

5. The composition of Claim 1 wherein the PVDF/HFP resin contains 12-16 mole% of hexafluoropropylene (HFP) in the total resin composition.

6. The composition of Claim 1 further comprising an adhesion promoter.

7. The composition of Claim 1 further comprising a flow additive.

8. The composition of Claim 1 wherein the organic solvent is selected from the group comprising carbitol acetate.

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9.   The use of the composition of any one of Claims 1-8 in the formation of an electroluminescent panel.

10.   A method of forming an electroluminescent panel

5   comprising:

(a)   providing a substrate;

(b)   depositing at least one layer of a phosphor-containing thick film composition onto said substrate;

(c)   depositing a least one layer of a dielectric thick film

10   composition onto the layer of (b); and

(d)   depositing at least one layer of a conductive thick film composition onto the layer of (c);

wherein at least one layer of (b), (c) or (d) contains a PVDF/HFP polymer resin, copolymer of a PVDF/HFP polymer resin, or

15   mixtures thereof which has i) a melt viscosity of 0.2-0.7 kPoise and ii) a DSC melt temperature in the range of 85-98°C.

11.   An electroluminescent panel utilizing the composition of any one of Claims 1-9.

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12.   The electroluminescent panel formed by the method of Claim 10.